

Abstract of the Disclosure

A pressure regulator is associated with a solenoid-operated valve that is
5 operated by a pulse waveform at a fundamental frequency substantially greater than the
frequency response of the valve mechanism. This substantially attenuates solenoid
pulsations and applies a predetermined pressure differential across the valve
mechanism to accomplish improved flow control accuracy. The invention is especially
10 advantageous for purging fuel vapor to an intake manifold of an internal combustion
engine of an automotive vehicle.